BRUHATH BANGALORE MAHANAGARA PALIKE

Rajarajeshwari Nagar Zone

O/o Executive Engineer(Ele), Rajarajeshwari nagar Zone, BBMP, Bangalore

Bill of Quantities (BOQ)

Memorandum Showing the Specifications, Quantities and Rates of items to be Executed

Name of the Work-: Replacement of damaged UG Cable, Panel Board, poles and fittings etc at parks and play grounds comes under ward No.-16,37,38 and 42 Of RR Nagara Zone

Tender Number: BBMP/2021-22/EL/WORK_INDENT50188

Name of the Contractor: CHELUVARAJ P C (PRASHANTH ELECTRICALS)

SNo	Approved Qty	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in Figure	Rate in Words	Total Amount
1	100	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 sqmm	Mtr.	20.5	2050	10.0	Rupees Ten Only	1000.00
2	80	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring.4 sqmm	Mtr.	9	720	9.0	Rupees Nine Only	720.00
3	4	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40 Amps DP	Each	1336	5344	1200.0	Rupees One Thousand Two Hundred Only	4800.00
4	4	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60 to 70Amps	Each	4200	16800	3000.0	Rupees Three Thousand Only	12000.00
5	4	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting.	Each	1925	7700	1750.0	Rupees One Thousand Seven Hundred and Fifty Only	7000.00
6	100	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 10 sqmm	Mtr	130	13000	100.0	Rupees One Hundred Only	10000.00
7	100	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. 6 sqmm to 16 sqmm	Mtr	11.88	1188	5.0	Rupees Five Only	500.00

PRASHANTH ELECTRICALS

Contractor

PROPRIETOR

Executive Engineer(Ele) (RR)

of Procurement

SNo	Approved Qty	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in Figure	Rate in Words	Total Amount
8	80	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.	Mtr	76	6080	70.0	Rupees Seventy Only	5600.00
9	20	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 10 sqmm	Each	8	160	5.0	Rupees Five Only	100.00
10	12	16 sqmm	Each	12.44	149.28	8.0	Rupees Eight Only	96.00
11	2	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63 Amps	Each	227	454	75.0	Rupees Seventy Five Only	150.00
12	5	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar	Each	1917	9585	1500.0	Rupees One Thousand Five Hundred Only	7500.00
13	6	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved /	No	6400	38400	6000.0	Rupees Six Thousand Only	36000.00

for PRASHANTH ELECTRICALS

Contractor
PROPRIETOR

Executive Engineer
EE(ELE
Rajeshwari Nagar
Bruhat Bangalore Mahana

SNo	Approved Qty	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in Figure	Rate in Words	Total Amount
14	15	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI	No	1840	27600	1500.0	Rupees One Thousand Five Hundred Only	22500.00
15	12	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply a) 25W 5700K suitable for outdoor LED fitting.	Each	1198	14376	1198.0	Rupees One Thousand One Hundred and Ninety Eight Only	14376.00
16	5	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole. Upto 5Mtr street light pole.	No	550	2750	550.0	Rupees Five Hundred and Fifty Only	2750.00
17	50000	Fabricating supplying and mounting MS box made out â¦ SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. with Double door and Top Canopy 16SWG, 25000 sqcm Each (Dimension 900*600*214 mm)	SqCm	0.35	17500	0.35	Rupees Zero Only Paise Thirty Five Only	17500.00

for PRASHANTH ELECTRICALS

Contractor

Proprietor

Executive Engineer (Elec
EE(ELE) RRN
Rajarajeshwari Nagar Zone
Bruhat Bangalore Mahanagara P

SNo	Approved Qty	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in Figure	Rate in Words	Total Amou
18	10	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint -40x40x6mm	mtr	255	2550	100.0	Rupees One Hundred Only	1000.00
19	8	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B. a) 16 Sqmm	Per Mt	188	1504	80.0	Rupees Eighty Only	640.00
20	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	No	2999.7	2999.7	1500.0	Rupees One Thousand Five Hundred Only	1500.00
		Total Amount			170909.98			145732.00
		GST Applicable @12%						17487.84
		Total Amout(Including GST)						163219.84
		Tender premium						-14.73%

Certificate:-

a) I agree to Execute this work at the Rates mentioned above in the Schedule-B/BOQ.
b) I am ready to carry out the work as per the directions of Engineer-in-Charge of Work.
c) I am ready to carry out the work as per the tender terms and conditions.

Seal & Signature of Contractor

For PRASHANTH ELECTRICALS

PROPRIETOR

Executive Engineer(Ele),
Bruhat Bangalore Mahanagara Palike,
RR Nagar Zone